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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Ward *et al.*

Appl. No. 09/730,525

Filed: December 5, 2000

For: Herbicide-tolerant Protox Genes

Produced by DNA shuffling

Art Unit: 1637

Examiner: Kenneth Horlick

Atty Docket: 20757USDIV6

RESPONSE UNDER 37 CFR § 1.111 AND AMENDMENTS

Commissioner for Patents
Washington, D.C. 20231

Sir:

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TECH CENTER 1600/2900

In response to the Office Action dated October 21, 2002, please consider the following comments and enter the following amendments below. Submitted herewith is a Terminal Disclaimer and copies of assignments as indicated.

IN THE CLAIMS:

Please amend the claims to read as follows:

7 ~~21~~ (amended) The method of claim ~~20~~⁶ wherein at least one said template DNA molecule is further characterized in that at least one of the following conditions is met:

- (a) said template DNA molecule has a sequence that encodes amino acid sub-sequence $AP\Delta_1F$, wherein Δ_1 is an amino acid other than arginine;
- (b) said template DNA molecule has a sequence that encodes amino acid sub-sequence $F\Delta_2S$, wherein Δ_2 is an amino acid other than cysteine;
- (c) said template DNA molecule has a sequence that encodes amino acid sub-sequence $Y\Delta_3G$, wherein Δ_3 is an amino acid other than alanine;
- (d) said template DNA molecule has a sequence that encodes amino acid sub-sequence $A\Delta_4D$, wherein Δ_4 is an amino acid other than glycine;

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